

## CLAIMS

1. A glass composition containing 0.5 to 14 wt% of  $\text{SiO}_2$ , 3 to 15 wt% of  $\text{B}_2\text{O}_3$ , 4 to 22 wt% of  $\text{ZnO}$ , 55 to 90 wt% of  $\text{Bi}_2\text{O}_3$ , 0 to 4 wt% of  $\text{Al}_2\text{O}_3$ , 0 to 5 wt% of at least one selected from the group consisting of  $\text{Li}_2\text{O}$ ,  $\text{Na}_2\text{O}$  and  $\text{K}_2\text{O}$ , and 0 to 15 wt% of at least one selected from the group consisting of  $\text{MgO}$ ,  $\text{CaO}$ ,  $\text{SrO}$  and  $\text{BaO}$ .

2. A sealing glass for a magnetic head having a composition containing 0.5 to 14 wt% of  $\text{SiO}_2$ , 3 to 15 wt% of  $\text{B}_2\text{O}_3$ , 4 to 22 wt% of  $\text{ZnO}$ , 55 to 90 wt% of  $\text{Bi}_2\text{O}_3$ , 0 to 4 wt% of  $\text{Al}_2\text{O}_3$ , 0 to 5 wt% of at least one selected from the group consisting of  $\text{Li}_2\text{O}$ ,  $\text{Na}_2\text{O}$  and  $\text{K}_2\text{O}$ , and 0 to 15 wt% of at least one selected from the group consisting of  $\text{MgO}$ ,  $\text{CaO}$ ,  $\text{SrO}$  and  $\text{BaO}$ .

3. A magnetic head comprising:

a pair of magnetic core halves butted against each other with a magnetic gap material interposed therebetween, at least one of which being provided with a groove for a coil; and

sealing glass for a magnetic head that bonds said core halves together,

wherein said sealing glass has a composition containing 0.5 to 14 wt% of  $\text{SiO}_2$ , 3 to 15 wt% of  $\text{B}_2\text{O}_3$ , 4 to 22 wt% of  $\text{ZnO}$ , 55 to 90 wt% of  $\text{Bi}_2\text{O}_3$ , 0 to 4 wt% of  $\text{Al}_2\text{O}_3$ , 0 to 5 wt% of at least one selected from the group consisting

of  $\text{Li}_2\text{O}$ ,  $\text{Na}_2\text{O}$  and  $\text{K}_2\text{O}$ , and 0 to 15 wt% of at least one selected from the group consisting of  $\text{MgO}$ ,  $\text{CaO}$ ,  $\text{SrO}$  and  $\text{BaO}$ .

4. A magnetic head comprising:

a pair of magnetic core halves butted against each other with a magnetic gap material interposed therebetween at gap-facing surfaces of said core halves, at least one of which being provided with a groove for a coil and at least one of which being formed with a magnetic metal film on said gap-facing surface; and

a sealing glass for a magnetic head that bonds said core halves together,

wherein said sealing glass has a composition containing 0.5 to 14 wt% of  $\text{SiO}_2$ , 3 to 15 wt% of  $\text{B}_2\text{O}_3$ , 4 to 22 wt% of  $\text{ZnO}$ , 55 to 90 wt% of  $\text{Bi}_2\text{O}_3$ , 0 to 4 wt% of  $\text{Al}_2\text{O}_3$ , 0 to 5 wt% of at least one selected from the group consisting of  $\text{Li}_2\text{O}$ ,  $\text{Na}_2\text{O}$  and  $\text{K}_2\text{O}$ , and 0 to 15 wt% of at least one selected from the group consisting of  $\text{MgO}$ ,  $\text{CaO}$ ,  $\text{SrO}$  and  $\text{BaO}$ .

5. A magnetic head comprising:

a pair of magnetic core halves butted against each other with a magnetic gap material interposed therebetween at ends of magnetic metal films of said core halves, each of which being constituted by sandwiching said magnetic metal film between non-magnetic substrates and at least one of which being provided with a groove for a coil; and

a sealing glass for a magnetic head that bonds

said core halves together,

wherein said sealing glass has a composition containing 0.5 to 14 wt% of  $\text{SiO}_2$ , 3 to 15 wt% of  $\text{B}_2\text{O}_3$ , 4 to 22 wt% of  $\text{ZnO}$ , 55 to 90 wt% of  $\text{Bi}_2\text{O}_3$ , 0 to 4 wt% of  $\text{Al}_2\text{O}_3$ , 0 to 5 wt% of at least one selected from the group consisting of  $\text{Li}_2\text{O}$ ,  $\text{Na}_2\text{O}$  and  $\text{K}_2\text{O}$ , and 0 to 15 wt% of at least one selected from the group consisting of  $\text{MgO}$ ,  $\text{CaO}$ ,  $\text{SrO}$  and  $\text{BaO}$ .